Ovarian cancer; Abdominal bloating and maldigestion are the typical presenting symptoms

A 56 year-old lady presented to DEM with progressive symptoms of abdominal bloating and discomfort, gastro-oesophageal reflux, difficultyPremenopausal ovarian cancer and/or family history of early breast or eating and feeling full quickly for two months. On examination, she had ovarian cancers in 1st degree relatives (paternal or maternal side) soft non-tender abdomen with some distension. Abdo-Pelvic USS showed a large, irregular, multilocular mass in the lower abdomen containing solid and cystic material with ascites; These findings were disease[4]. Advanced epithelial ovarian cancer typically presents with highly suspicious for an ovarian malignancy using IOTA guidelines. The abdominal distention, nausea, anorexia, or early satiety due to the tumour markers were elevated; CA 125 was 6,782.3, HE4 was 178 and presence of ascites and omental or bowel metastases[5]. Physical ROMA Postmenopausal was 97. CT scan of chest abdo-pelvis revealed features of epithelial ovarian cancer with peritoneal nodularity evaluation of EOC. CA 125 is a sensitive tumour marker in and extensive omental spread with ascites. Targeted abdominal USS showed a large mass in the pelvis measuring 16 x 10 x 9cm with a small amount of ascites present throughout the abdomen; Bilateral pleural effusions were also noted. CXR revealed a small to moderate volume left pleural effusion with associated left basal atelectasis/consolidation; Small right pleural effusion and no evidence anticipate the need for cytoreduction and identify patients who are poor CA Cancer J Clin 2023; 73:17 of pulmonary oedema or pneumothorax. The patient was referred urgently to gynaeoncology. MRI was consistent with stage 3B disease findings of extensive disease (stage 3 and 4) and may be candidates (peritoneal and para-aortic lymph nodes involvement) .PET scan showed no distant metastasis. chemotherapy was commenced (six cycles). CT scan of chest abdo-pelvis was performed after the third chemotherapy cycle and findings were in keeping with partial treatment with stage III or IV EOC[8]. Following all first-line treatment for EOC. response with resolution of ascites, reduction in the peritoneal nodularity and reduction in the solid components within the mixed cystical 125 level monitoring and other testing if clinically indicated (eg. and solid pelvis mass and no new metastasis. She had open hysterectomy, bilateral salpingo-oophorectomy (Rt ovarian tumour), omental biopsy and regional lymph nodes dissection in addition to ascites cytology. The histopathology studies confirmed high-grade ovarian serous adenocarcinoma, omental and regional lymph nodes metastasis with positive tumour cells on ascites cytology.

Discussion:

Ovarian carcinoma is the second most common gynecologic malignancy (second to uterine carcinoma) and the most common cause of gynecologic cancer death in resource-abundant countries[1]. The majority of ovarian malignancies (95 percent) are derived from epithelial cells[2]. Epithelial carcinoma of the ovary (High-grade serous carcinoma is the most common histologic subtype), fallopian tube and peritoneum are considered a single clinical entity due to their shared clinical behavior and treatment and referred to as epithelial ovarian carcinoma EOC. The median age at diagnosis of ovarian cancer is 63

years old (the highest incidence from age 55 to 64 - 24.7%)[3]. warrant genetic referral for BRCA1 and BRCA2 gene mutation carrier status. 97% of ovarian cancer patients present at advanced stage examination and abdo-pelvic USS are important element of the postmenopausal ovarian masses. Up to 80 percent of patients with EOC will have an elevated CA 125, and post-treatment CA 125 testing is used to evaluate for response to treatment and recurrence [6]. Preoperative assessment for metastatic disease (CT scan of chest abdo-pelvis, MRI abdo-pelvis and PET scan) helps the surgeon candidates for aggressive initial surgical cytoreduction due to imaging 2. for neoadjuvant chemotherapy[7]. Primary surgical cytoreduction and sending the specimen for histopathological studies followed by systemic chemotherapy is the preferred initial management for women monitoring should include periodic history taking, physical assessment, imaging or laboratory assessments) [9]. Five-year survival of stage 3 EOC is 41% [10].





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